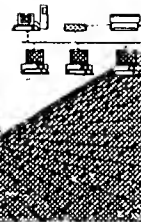


BIOTECHNOLOGY  
SYSTEMS  
BRANCH



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/996,611C  
Source: IFW16  
Date Processed by STIC: 2/20/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT  
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221  
*Effective 12/13/03:* TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
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Revised 10/08/03



IFW16

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/996,611C

DATE: 02/20/2004

TIME: 08:16:11

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\02202004\I996611C.raw

1 <110> APPLICANT: Chou, Min-Yuan  
 2 Leu, Charng-Yih  
 4 <120> TITLE OF INVENTION: Novel Human alpha 1 Chain Collagen  
 6 <130> FILE REFERENCE: 32350-176844  
 8 <140> CURRENT APPLICATION NUMBER: US 09/996,611C  
 9 <141> CURRENT FILING DATE: 2001-11-30  
 11 <150> PRIOR APPLICATION NUMBER: TAIWAN 89128027  
 12 <151> PRIOR FILING DATE: 2000-12-27  
 14 <160> NUMBER OF SEQ ID NOS: 15  
 16 <170> SOFTWARE: Microsoft Word

Does Not Comply  
 Corrected Diskette Needed

## ERRORED SEQUENCES

534 <210> SEQ ID NO: 6  
 535 <211> LENGTH: 12 22 shown below  
 536 <212> TYPE: DNA  
 537 <213> ORGANISM: Homo sapiens  
 539 <220> FEATURE:  
 540 <223> OTHER INFORMATION: primer  
 542 <400> SEQUENCE: 6  
 E--> 543 ggttcacatt tgcctccatt ag  
 546 <210> SEQ ID NO: 7  
 547 <211> LENGTH: 13 23  
 548 <212> TYPE: DNA  
 549 <213> ORGANISM: Homo sapiens  
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 552 <223> OTHER INFORMATION: primer  
 554 <400> SEQUENCE: 7  
 E--> 555 ttggccatt aatcctcggt ttc  
 558 <210> SEQ ID NO: 8  
 559 <211> LENGTH: 14 24  
 560 <212> TYPE: DNA  
 561 <213> ORGANISM: Homo sapiens  
 563 <220> FEATURE:  
 564 <223> OTHER INFORMATION: primer  
 566 <400> SEQUENCE: 8  
 E--> 567 attcctgggc cacctggtcc gata  
 570 <210> SEQ ID NO: 9  
 571 <211> LENGTH: 11 21 p.2  
 572 <212> TYPE: DNA  
 573 <213> ORGANISM: Homo sapiens  
 575 <220> FEATURE:

pg 1-3

12 22

13 23

14 24

## RAW SEQUENCE LISTING

DATE: 02/20/2004

PATENT APPLICATION: US/09/996,611C

TIME: 08:16:11

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\02202004\I996611C.raw

576 <223> OTHER INFORMATION: primer  
578 <400> SEQUENCE: 9  
E--> 579 ctaatagttt ggtccttttc t  
582 <210> SEQ ID NO: 10  
583 <211> LENGTH: 16 26  
584 <212> TYPE: DNA  
585 <213> ORGANISM: Homo sapiens  
587 <220> FEATURE:  
588 <223> OTHER INFORMATION: primer  
590 <400> SEQUENCE: 10  
E--> 591 tgaaggctgg agtcaacgga ttggt  
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595 <211> LENGTH: 14 24  
596 <212> TYPE: DNA  
597 <213> ORGANISM: Homo sapiens  
599 <220> FEATURE:  
600 <223> OTHER INFORMATION: primer  
602 <400> SEQUENCE: 11  
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607 <211> LENGTH: 13 23  
608 <212> TYPE: DNA  
609 <213> ORGANISM: Homo sapiens  
611 <220> FEATURE:  
612 <223> OTHER INFORMATION: primer  
614 <400> SEQUENCE: 12  
E--> 615 ttcttgaaa ccgaggatta atg  
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621 <213> ORGANISM: Homo sapiens  
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624 <223> OTHER INFORMATION: primer  
626 <400> SEQUENCE: 13  
E--> 627 agtccacgat cacccttgac ac  
630 <210> SEQ ID NO: 14  
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632 <212> TYPE: DNA  
633 <213> ORGANISM: Homo sapiens  
635 <220> FEATURE:  
636 <223> OTHER INFORMATION: primer  
638 <400> SEQUENCE: 14  
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642 <210> SEQ ID NO: 15  
643 <211> LENGTH: 23 43  
644 <212> TYPE: DNA  
645 <213> ORGANISM: Homo sapiens  
647 <220> FEATURE:  
648 <223> OTHER INFORMATION: primer

(11) 21

(16) 26

(14) 24

(13) 23

(12) 22

(14) 24

RAW SEQUENCE LISTING

DATE: 02/20/2004

PATENT APPLICATION: US/09/996,611C

TIME: 08:16:11

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\02202004\I996611C.raw

650 <400> SEQUENCE: 15

E--> 651 ttagtgatgg tgatggtgat gctcatagtt tggtcctttt ctg

23 43

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/996,611C

DATE: 02/20/2004

TIME: 08:16:12

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\02202004\I996611C.raw

L:543 M:254 E: No. of Bases conflict, LENGTH:Input:12 Counted:22 SEQ:6  
L:543 M:252 E: No. of Seq. differs, <211> LENGTH:Input:12 Found:22 SEQ:6 ✓  
L:555 M:254 E: No. of Bases conflict, LENGTH:Input:13 Counted:23 SEQ:7  
L:555 M:252 E: No. of Seq. differs, <211> LENGTH:Input:13 Found:23 SEQ:7 ✓  
L:567 M:254 E: No. of Bases conflict, LENGTH:Input:14 Counted:24 SEQ:8 ✓  
L:567 M:252 E: No. of Seq. differs, <211> LENGTH:Input:14 Found:24 SEQ:8 ✓  
L:579 M:254 E: No. of Bases conflict, LENGTH:Input:11 Counted:21 SEQ:9 ✓  
L:579 M:252 E: No. of Seq. differs, <211> LENGTH:Input:11 Found:21 SEQ:9 ✓  
L:591 M:254 E: No. of Bases conflict, LENGTH:Input:16 Counted:26 SEQ:10 ✓  
L:591 M:252 E: No. of Seq. differs, <211> LENGTH:Input:16 Found:26 SEQ:10 ✓  
L:603 M:254 E: No. of Bases conflict, LENGTH:Input:14 Counted:24 SEQ:11 ✓  
L:603 M:252 E: No. of Seq. differs, <211> LENGTH:Input:14 Found:24 SEQ:11 ✓  
L:615 M:254 E: No. of Bases conflict, LENGTH:Input:13 Counted:23 SEQ:12 ✓  
L:615 M:252 E: No. of Seq. differs, <211> LENGTH:Input:13 Found:23 SEQ:12 ✓  
L:627 M:254 E: No. of Bases conflict, LENGTH:Input:12 Counted:22 SEQ:13 ✓  
L:627 M:252 E: No. of Seq. differs, <211> LENGTH:Input:12 Found:22 SEQ:13 ✓  
L:639 M:254 E: No. of Bases conflict, LENGTH:Input:14 Counted:24 SEQ:14 ✓  
L:639 M:252 E: No. of Seq. differs, <211> LENGTH:Input:14 Found:24 SEQ:14 ✓  
L:651 M:254 E: No. of Bases conflict, LENGTH:Input:23 Counted:43 SEQ:15 ✓  
L:651 M:252 E: No. of Seq. differs, <211> LENGTH:Input:23 Found:43 SEQ:15 ✓